

Name: _____

ET_1021 version 12

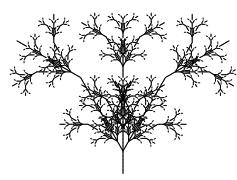
Consider the *L*-system (and angle) defined below:

- Start: A-----A
- Rules:
 - A > [---B] [-B] [+B] [++B]
 - B > BD[++DA] [--DA]B
 - D > DD
- Number of recursions (number of iterations): 5
- Angle: 30°

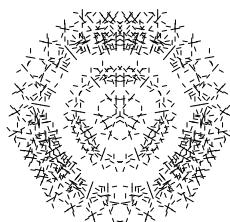
Use the following sites to generate the pattern:

- https://chadworley.github.io/Lsys_string_gen.html
- <https://scratch.mit.edu/projects/1225522722/editor/>

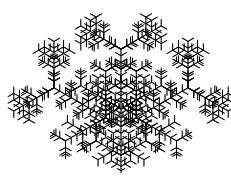
A



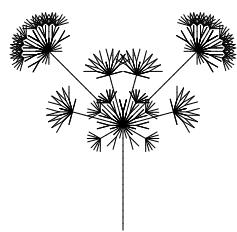
B



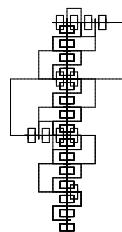
C



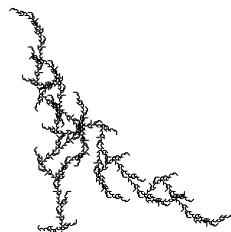
D



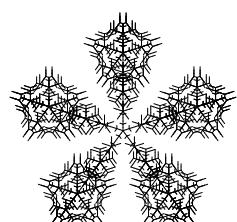
E



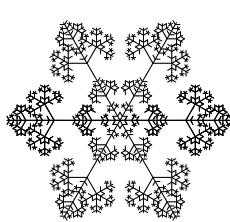
F



G



H



I



Which pattern is created?

Consider the *L*-system (and angle) defined below:

- Start: [A]+[A]+[A]+[A]+[A]+[A]

- Rules:

$$A > AA[-B][+B]B$$

$$B > [-ABC][+ABC]$$

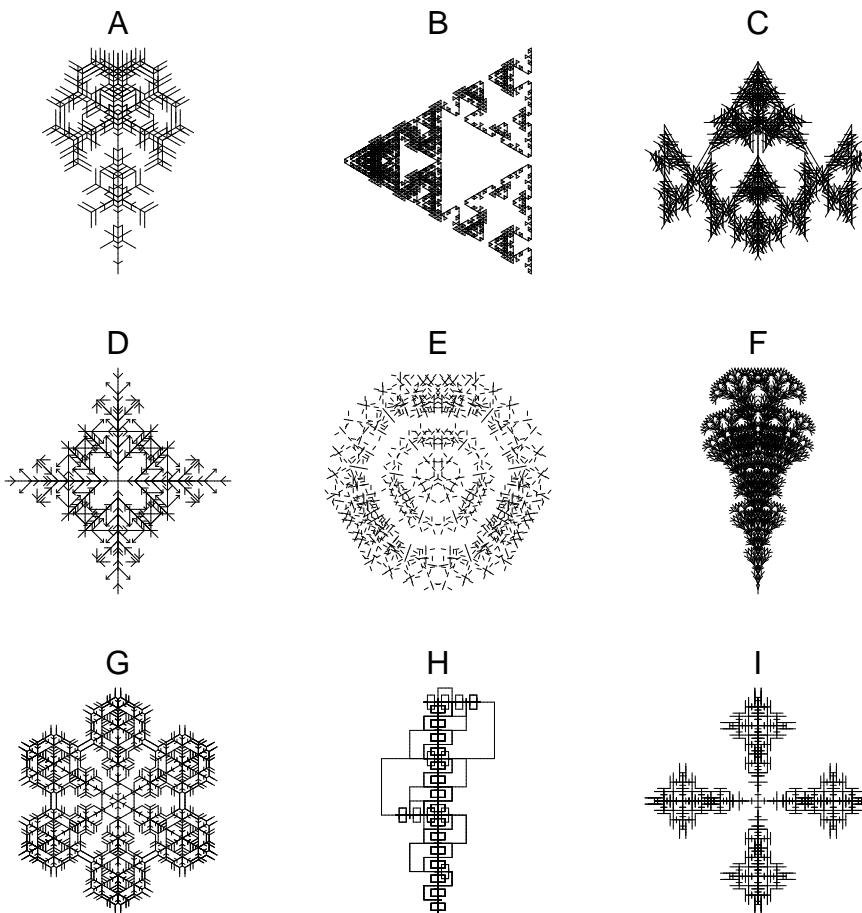
$$C > A[-CB][+CB]$$

- Number of recursions (number of iterations): 4

- Angle: 60°

Use the following sites to generate the pattern:

- https://chadworley.github.io/Lsys_string_gen.html
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?